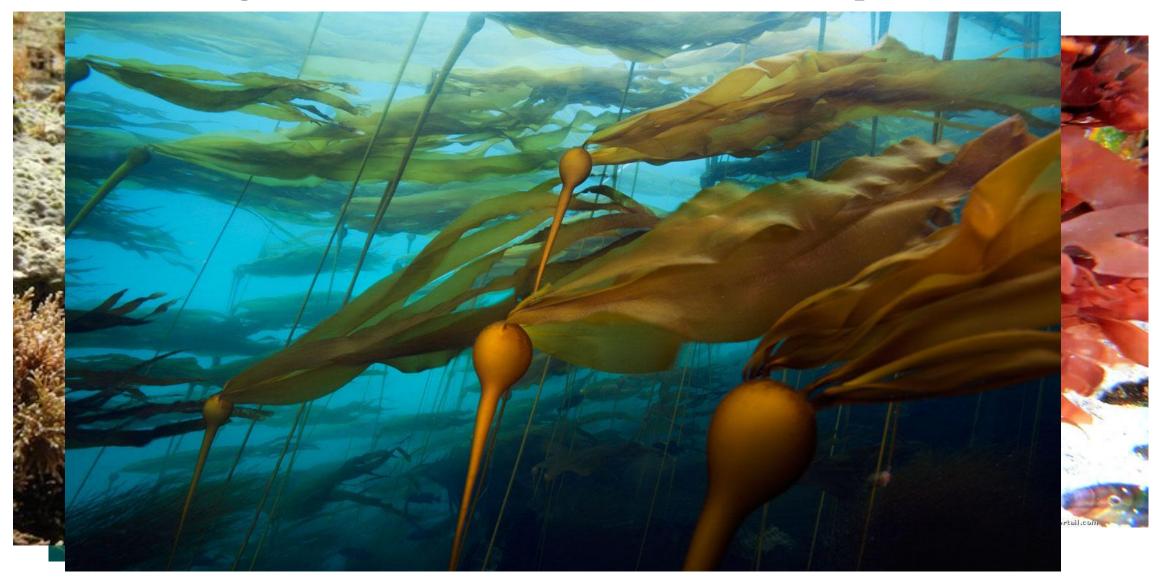
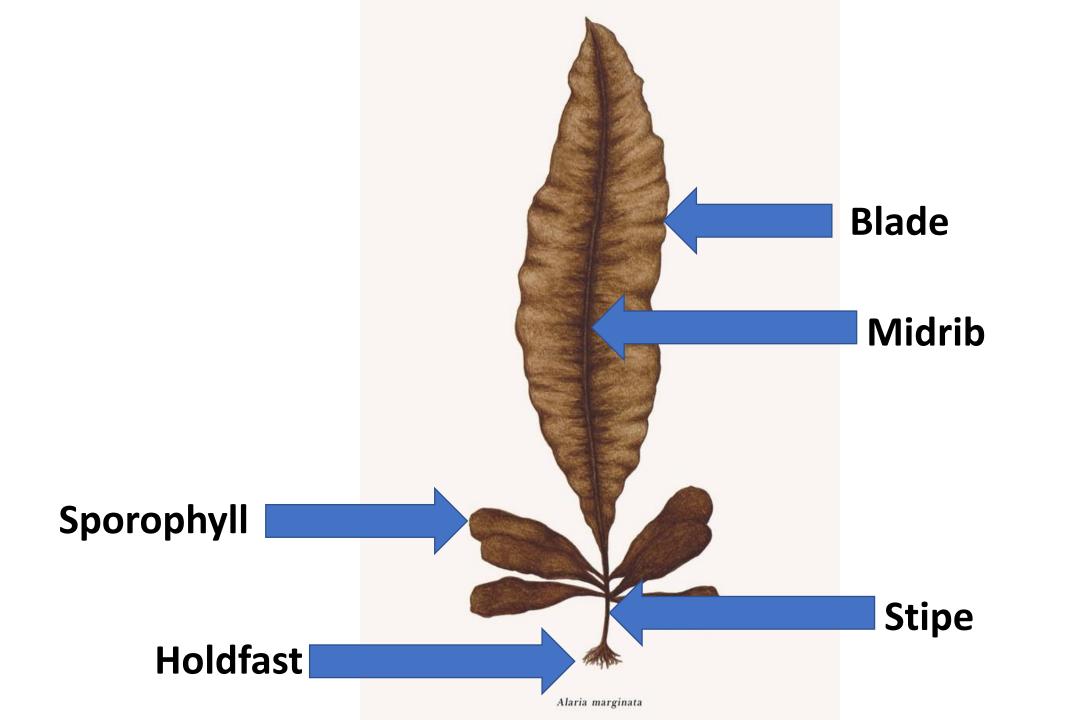


### Algae, Seaweed and Kelp





### **Current AK Mariculture Species**



Alaria sp.



Saccharina sp.



Nereocystis sp.

### Wild Harvest AK Species



Fucus sp.



Nereocystis sp.

Potentially Viable AK Species



#### www.seaweedsofalaska.com

# SeaweedsofAlaska



About Us || Related Links || References

Chlorophyta

Ochrophyta

Rhodophyta

Taxonomic Tree

Seagrasses & Misc. Others >>

Habitat Classifications >>

Coastal Regions & Maps >>

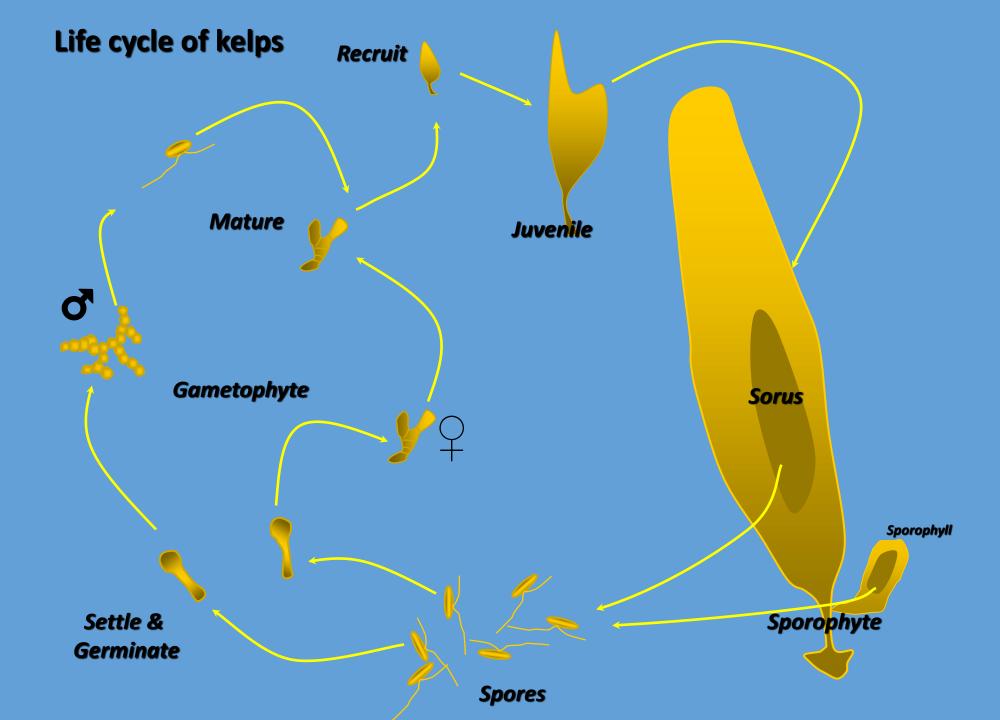
Seaweeds of Alaska is sponsored by:





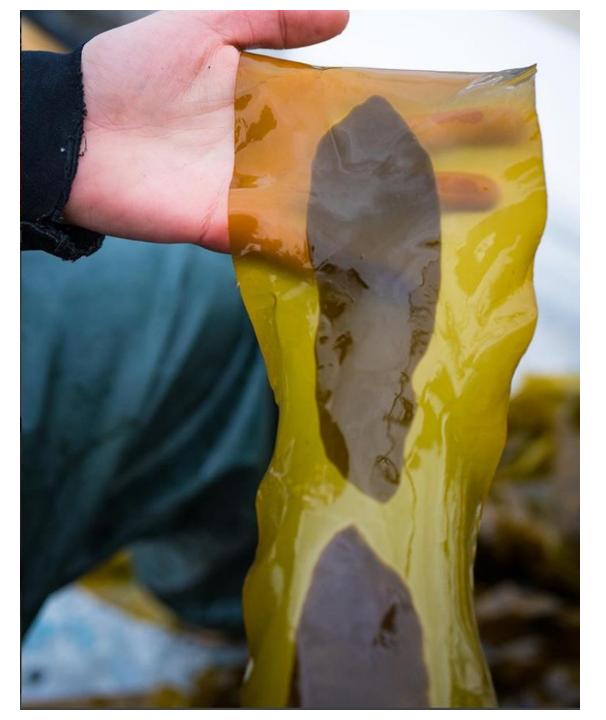
### **Kelp Mariculture Process**





## 1: Locate fertile plants









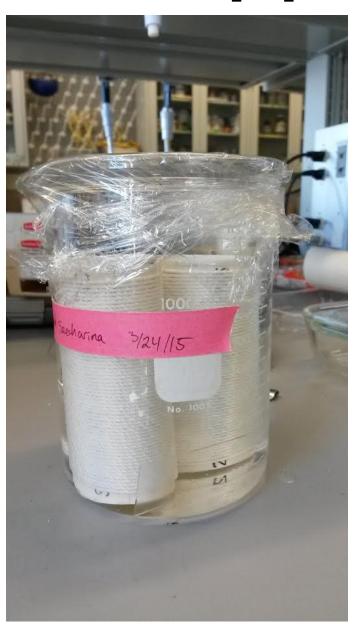
## 2: Release spores

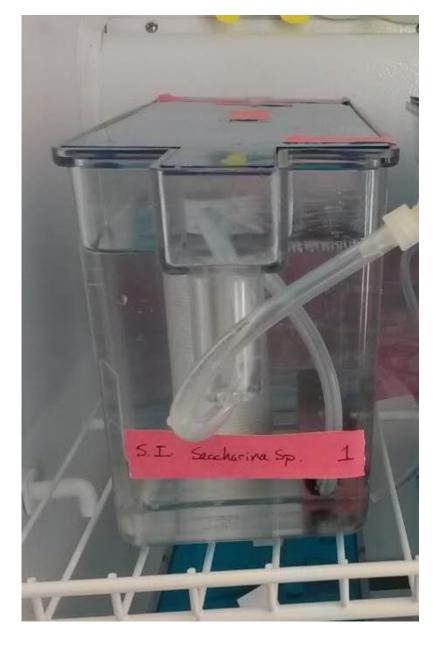




## 3: Inoculate pipes







## 4: Incubate pipes





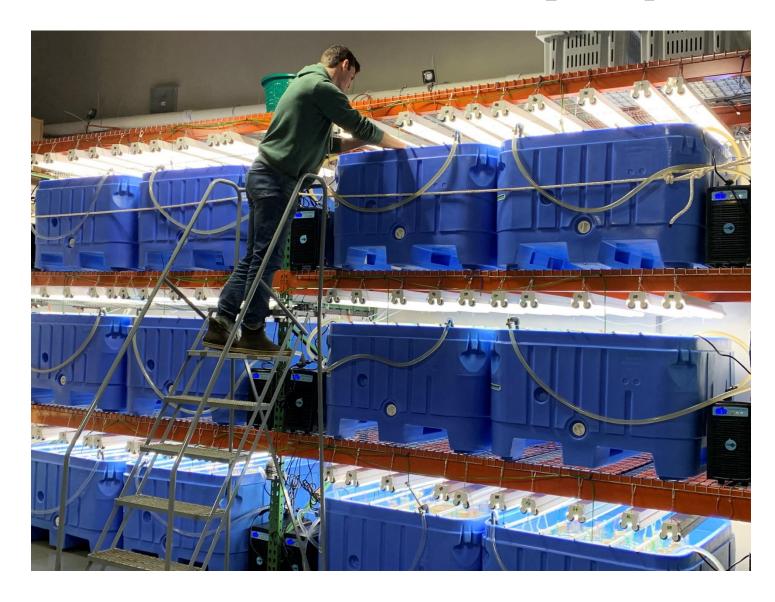


### **Hatchery Operations**



- Temperature control (10-12C)
- Light (12:12 full spectrum)
- Clean, sterile sea water

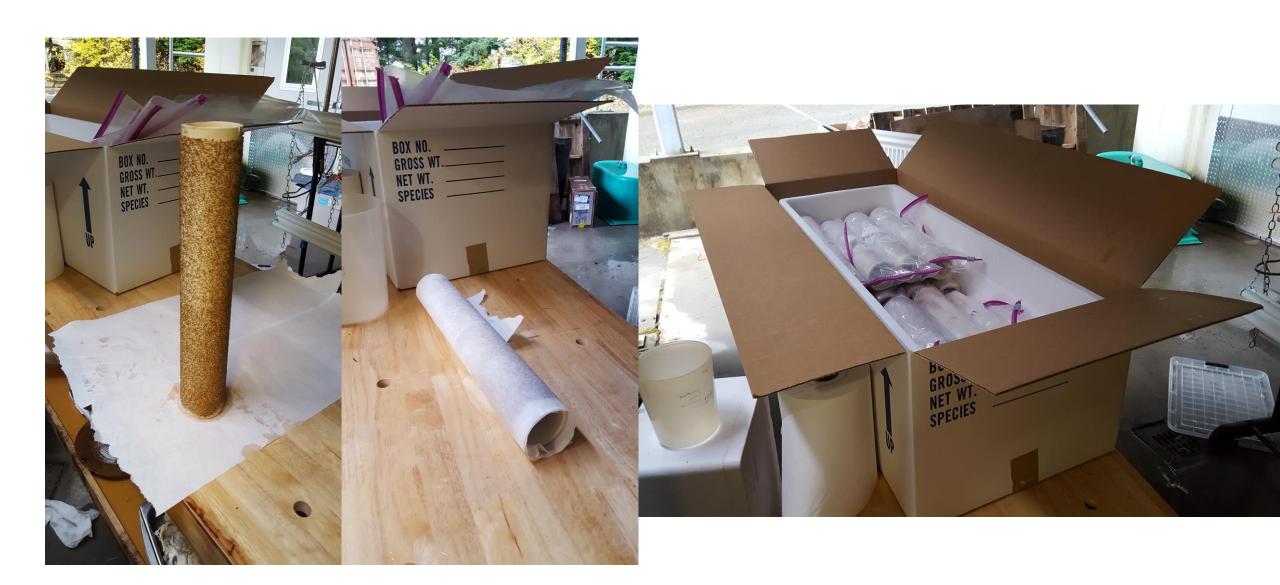
### **Hatchery Operations**





## 6: Outplanting





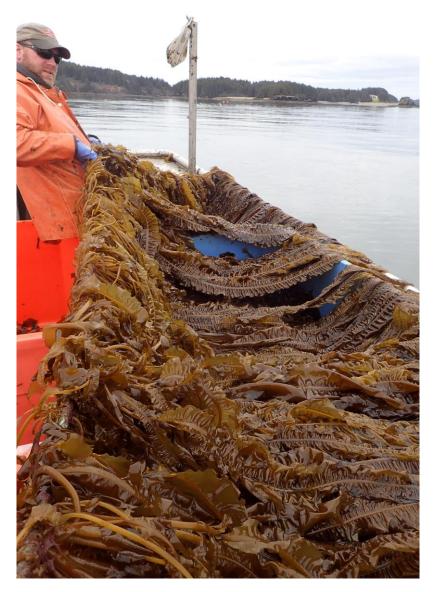
### 7: Growth Period







#### 8: Harvest





### **Processing**



HOME

HOW DO I...?

FOR BUSINESSES

FOR CONSUMERS

FOR FOOD WORKERS

**FORMS** 

RESOURCES

You Are Here: DEC / EH / FSS / Food / Home Based Food Business

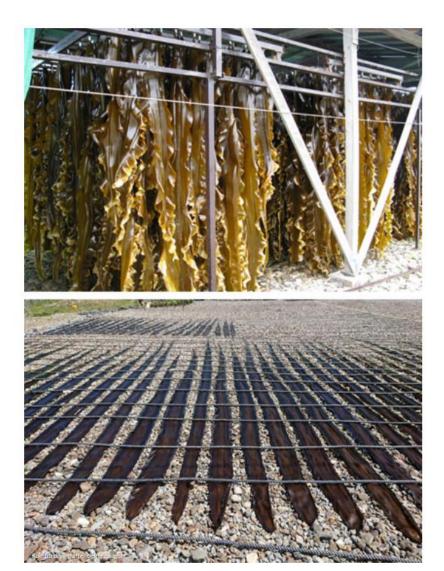
#### HOME BASED FOOD BUSINESS

Alaska Food Code allows the sale of non-potentially hazardous foods sold directly to the consumer without a permit as long as certain conditions are met. Food that falls under this exemption is commonly referred to as a "Cottage Food." More information about selling these products can be found below.

If you do not find information you are looking for, please contact your local Environmental Health Officer. If you plan on selling your products within the Municipality of Anchorage , these exemptions may not apply.

### **Drying**





http://sitkavores.blogspot.com/2016/01/seaweed.html

https://best.visit-hokkaido.jp/nature/story/hokkaido-kombu/

### Cooking/Blanching/Pickling







https://global.rakuten.com/en/store/cocochi-oki/item/10001085/

Photo: Barnace Seafoods

### Research and Development



### Salinity and Temperature

#### **Other Factors**

- Current
- Nutrients
  - Nitrite
  - Nitrate
  - Phosphorous

### **Current R&D Projects**

#### Kelp Research

- Morphology study
- ARPA-e test farm and harvest technology
- Multiple grants focusing on genetics
- Herring deterrents



#### Hatchery Development

- Mobile hatchery and Alutiiq Pride in Seward
- Fertilizer Experiment
- Direct seeding

#### Processing and Marketing

- AFDF market assessment
- AFDF and ASG product development



Seaweed as Bio-Plastic



#### New USDA-funded project: Spawning Mariculture Businesses in SW Alaska

- Goal: Grow new mariculture businesses in SW AK
- Project timeline: Oct. 1, 2019 Sept. 30, 2021
- Partners: AFDF, SWAMC, APICDA
- Funders: USDA-RD, SWAMC & APICDA
- Contractor: Tamsen Peeples
- Outreach & technical assistance provided in SW Alaska communities











